Enterprise Vocabulary Services (EVS)

Demonstration of how EVS can be used via the caBIO API

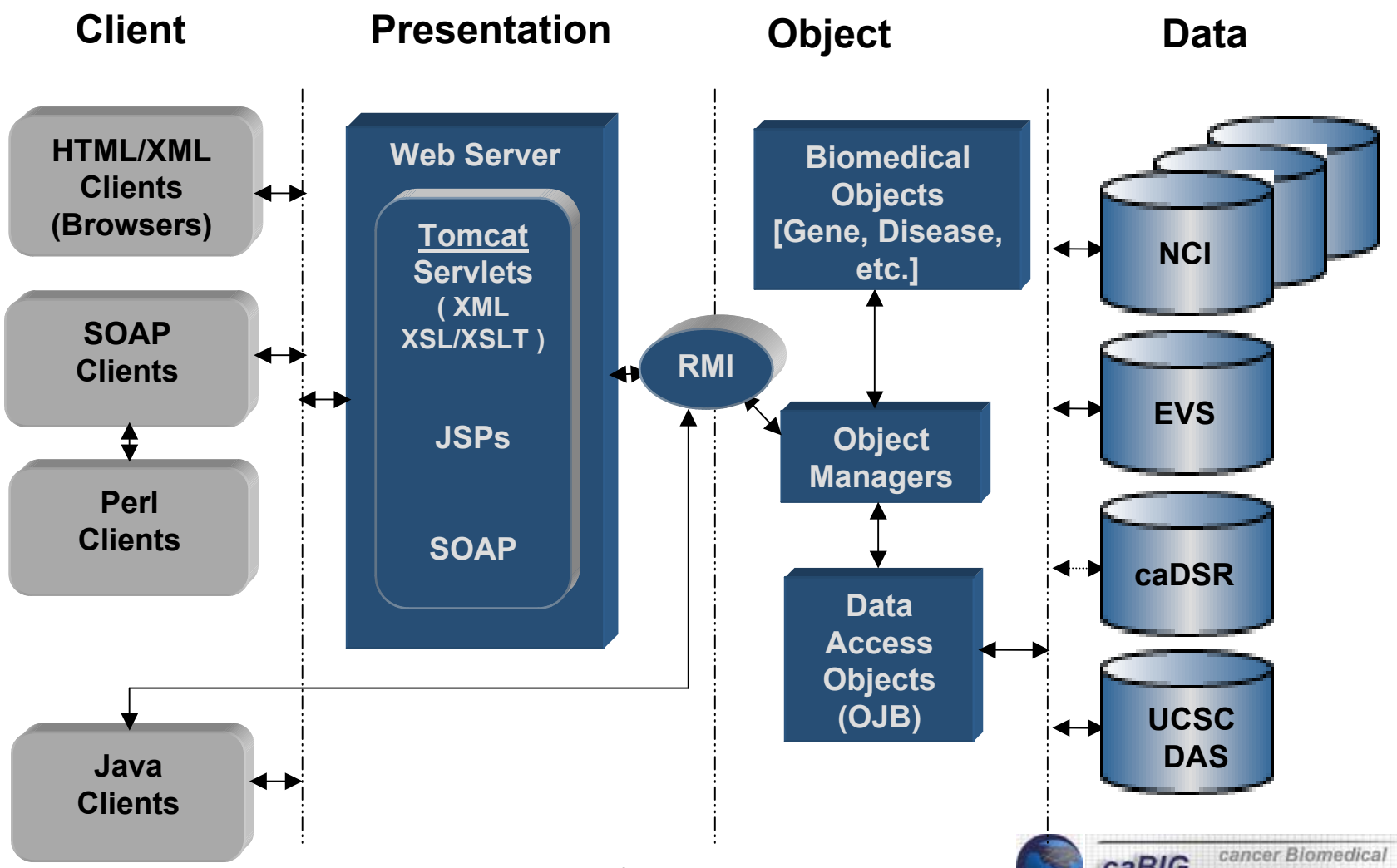
NCICB Software Development Processes
Facilitating Systems Interoperability

Sashi Thangaraj (SAIC)

Agenda

- EVS and caBIO
  - caBIO Architecture and EVS
  - Using EVS via the caBIO API
- EVS Web Tree
  - EVS Web Tree Overview
  - Configuring EVS Web Tree
  - Using EVS Web Tree in Applications
- Q&A

caBIO Architecture



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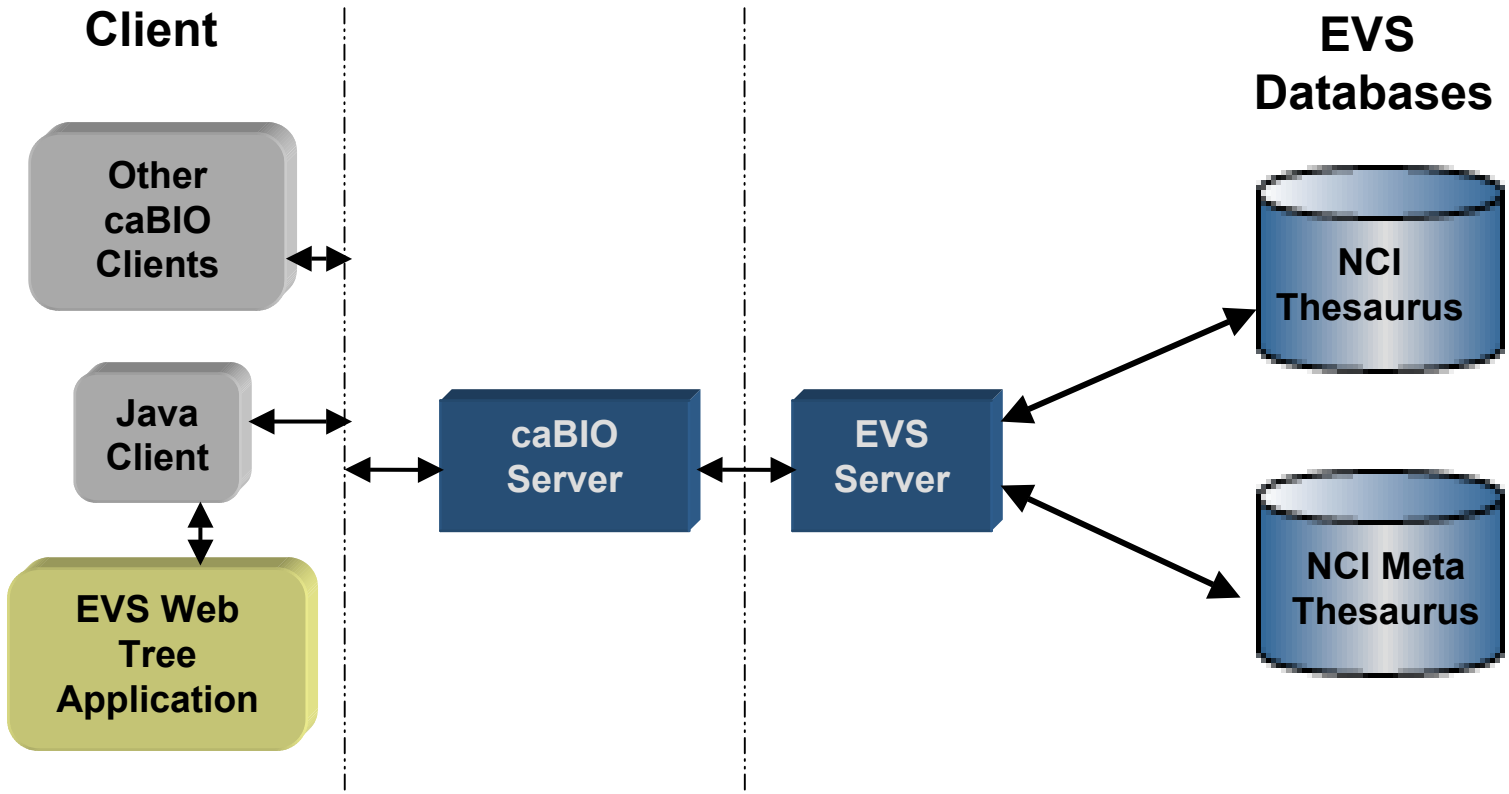
EVS and caBIO

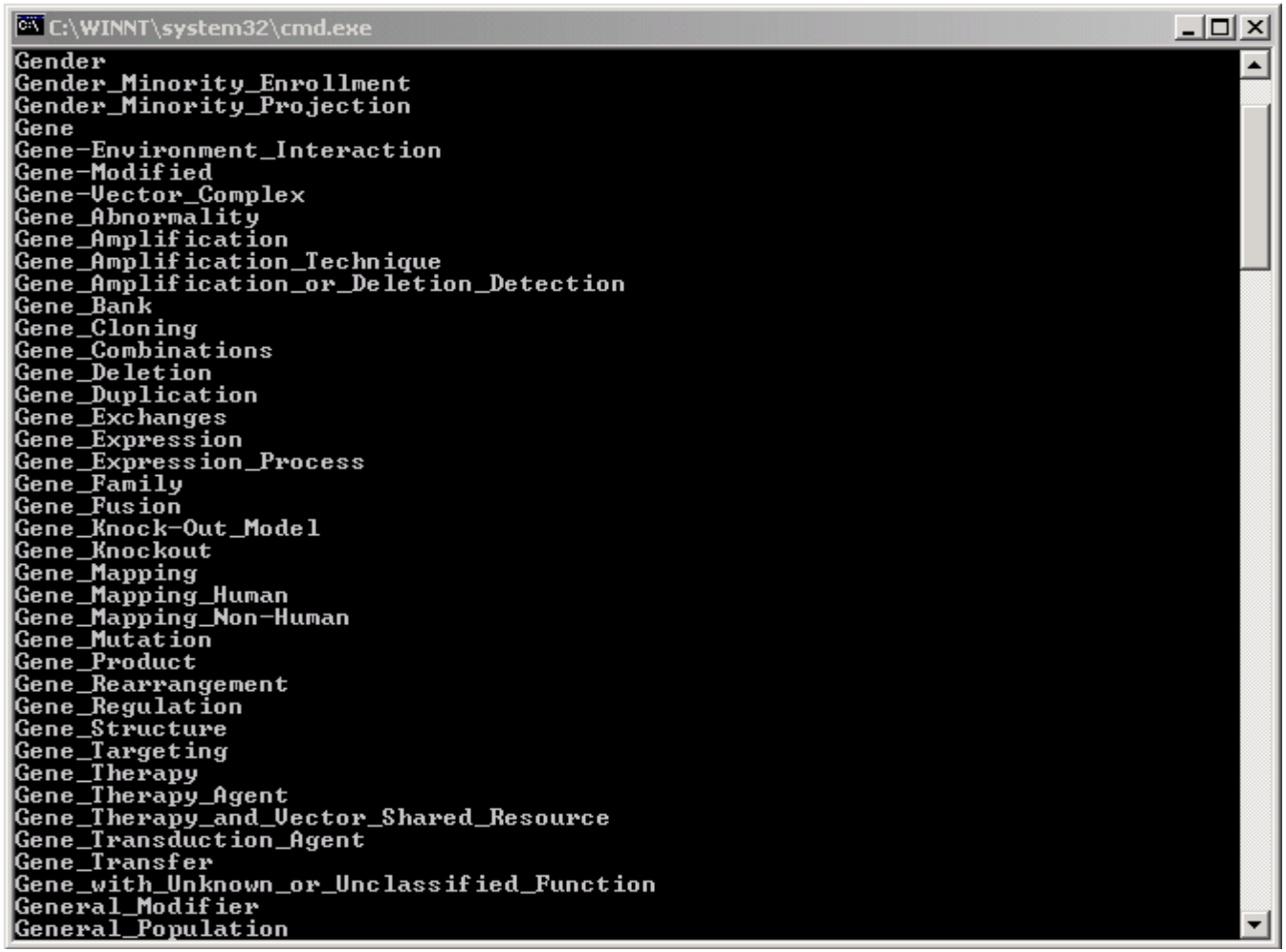


Using EVS via the caBIO API

- Import caBIO packages and call the DescriptionLogicConcept or MetaThesaurusConcept to search/traverse through EVS data

```
Import gov.nih.nci.EVS.bean.*;

DescLogicConceptSearchCriteria dlcsc = new DescLogicConceptSearchCriteria();

        DescLogicConcept dlc = new DescLogicConcept();

            dlcsc.setLimit(100);

             dlcsc.setSearchTerm("Gen*");

             dlcsc.setVocabularyName("NCI_Thesaurus");

             Concept[] conceptArray = dlc.search(dlcsc);

                    for(int i=0; i<conceptArray.length; i++)    {

                                    System.out.println(conceptArray[i].getName());

                    }
```

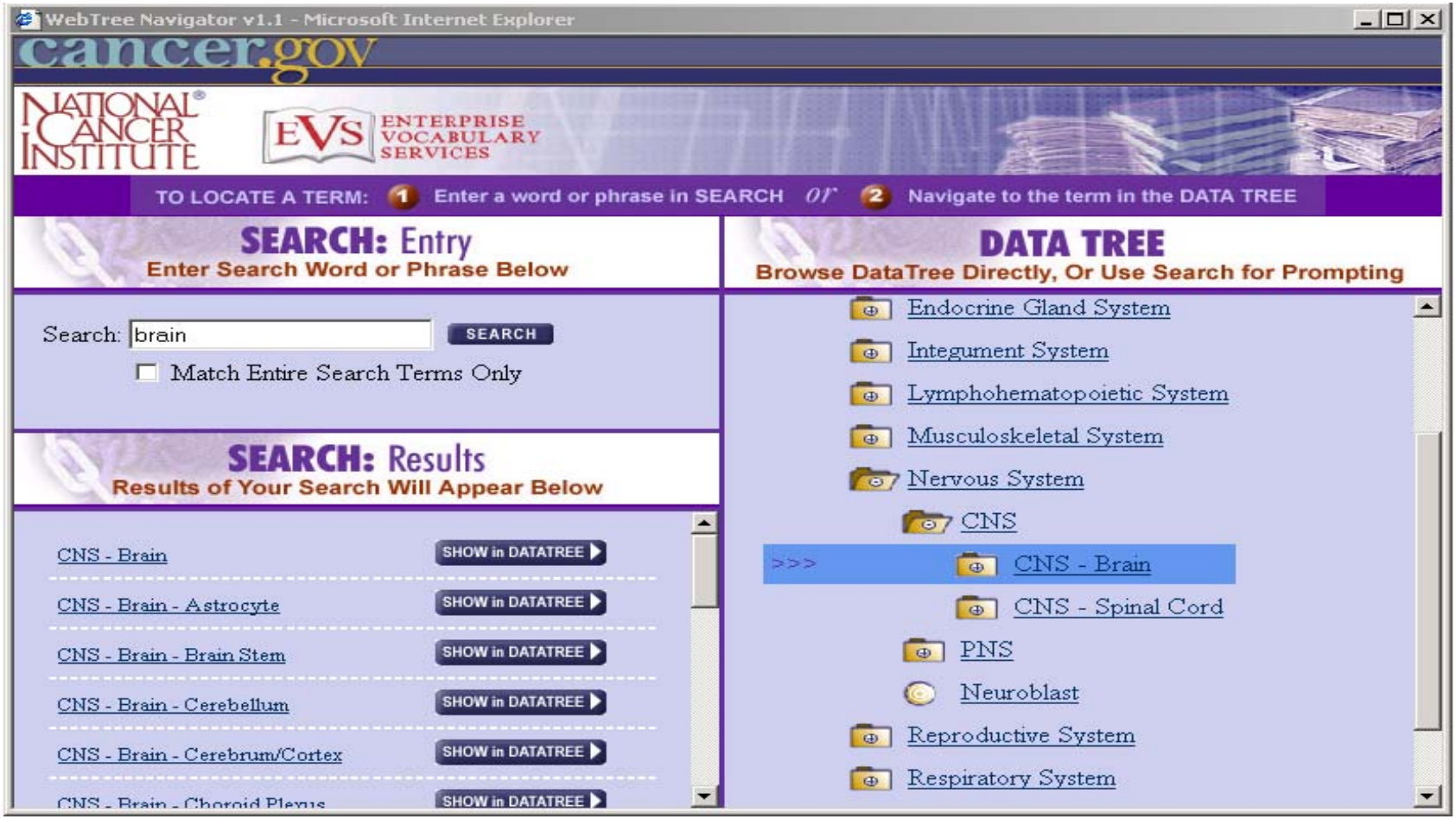
Query Output



EVS Web Tree

- EVS Web Tree is a configurable web application leveraged by NCICB applications to allow users to search and select EVS terminology
- EVS Web Tree uses the caBIO API as its infrastructure

Searching a Node



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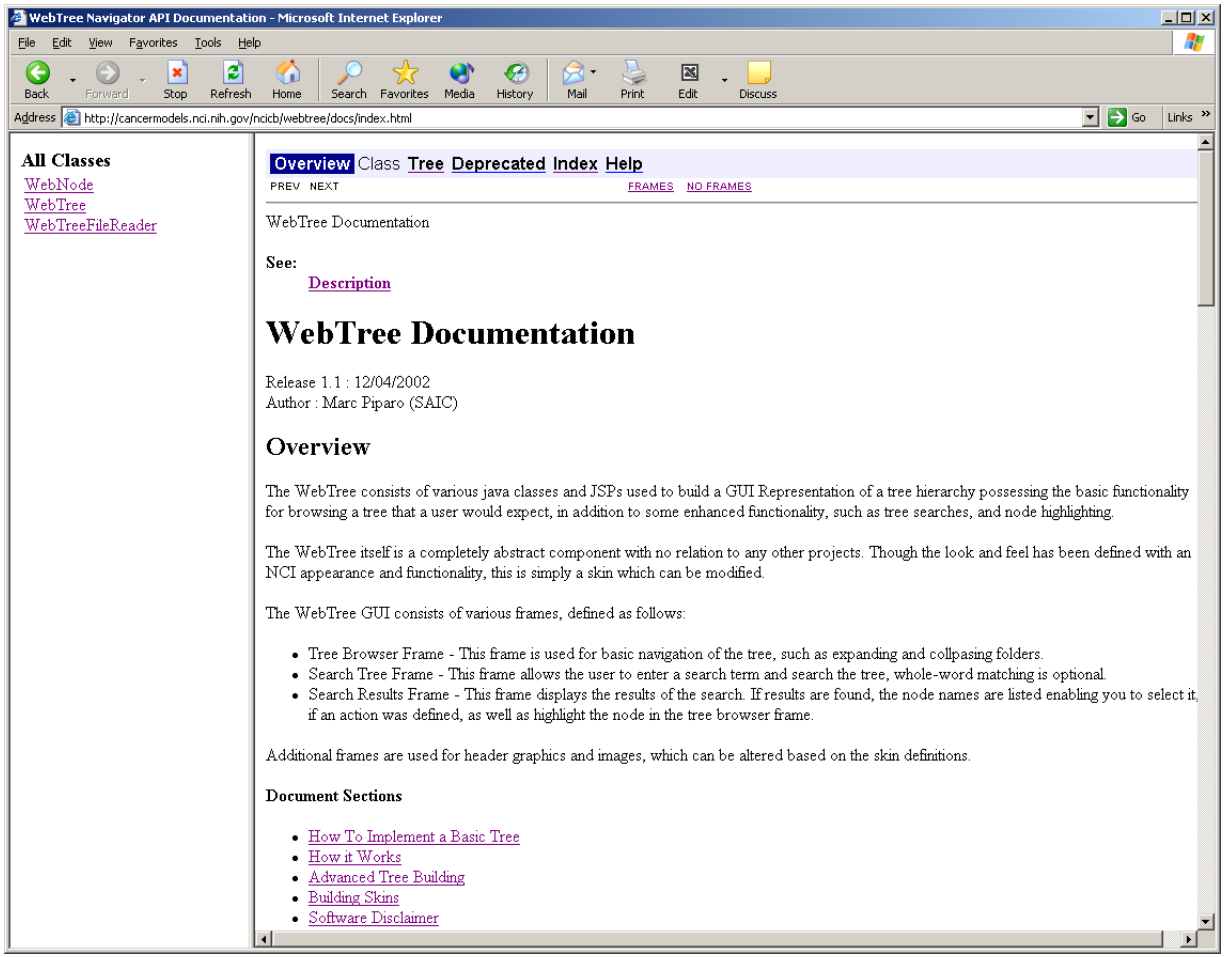
Configuring EVS Web Tree

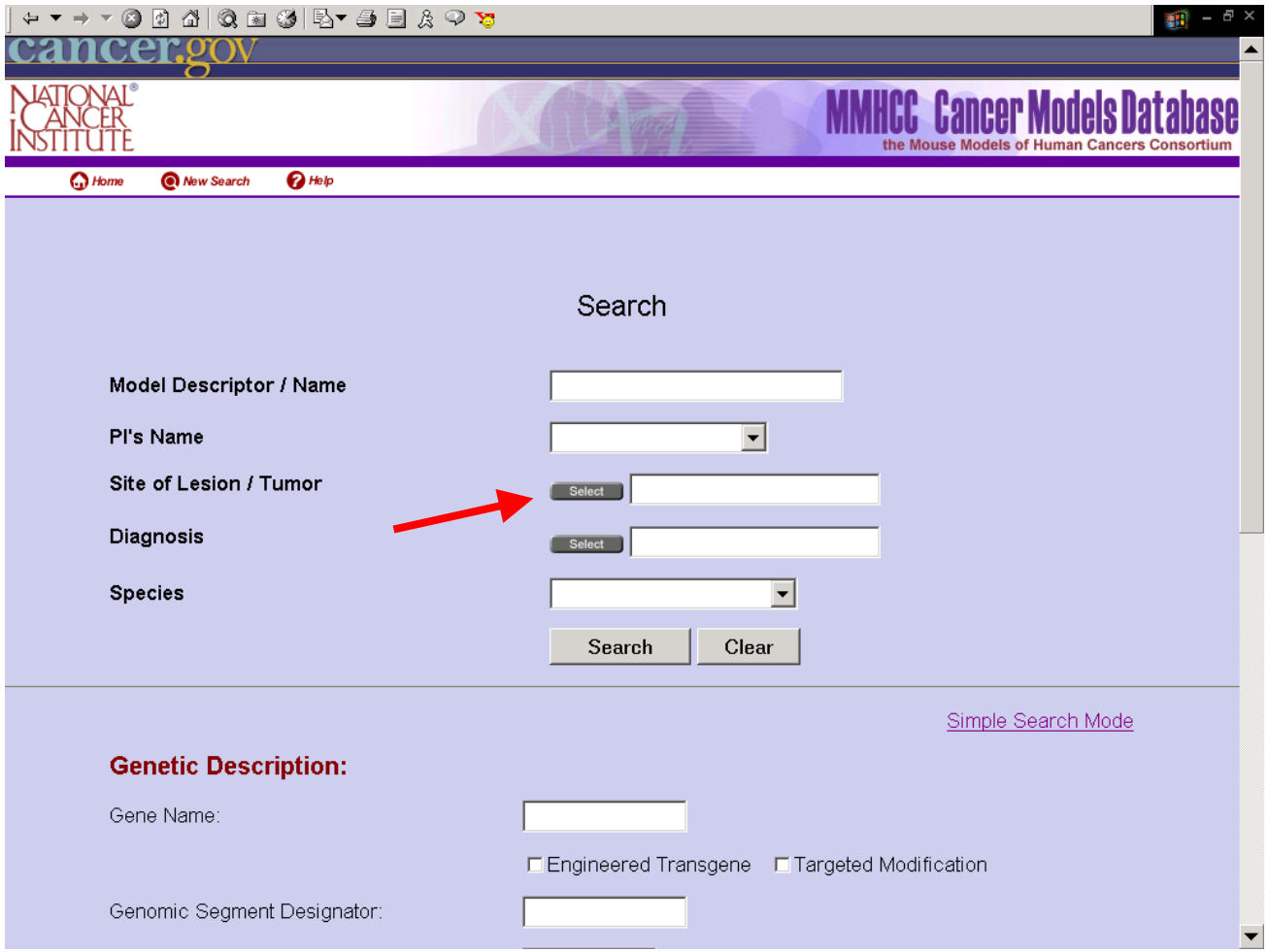
- Download the EVS Web Tree application from the NCICB Download site:
  - http://ncicb.nci.nih.gov/download/index.jsp

  (will be available in caCORE 3.0 release due Nov 2004)
- Configure
  - the web container
  - Skin to match the main web app.
- Utilize the EVS Web Tree API in applications

EVS Web Tree API



Using EVS Web Tree in Applications – Cancer Models



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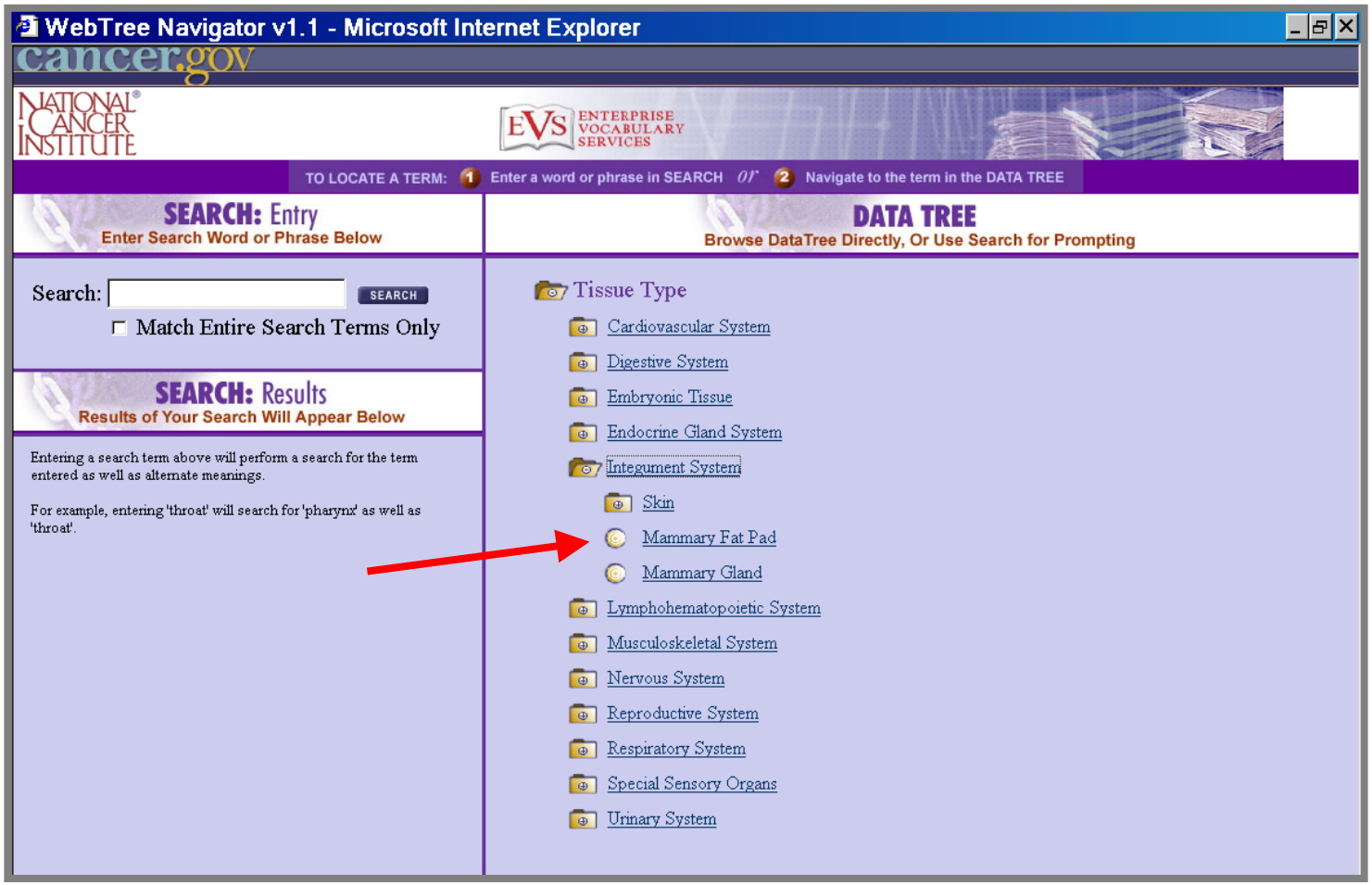
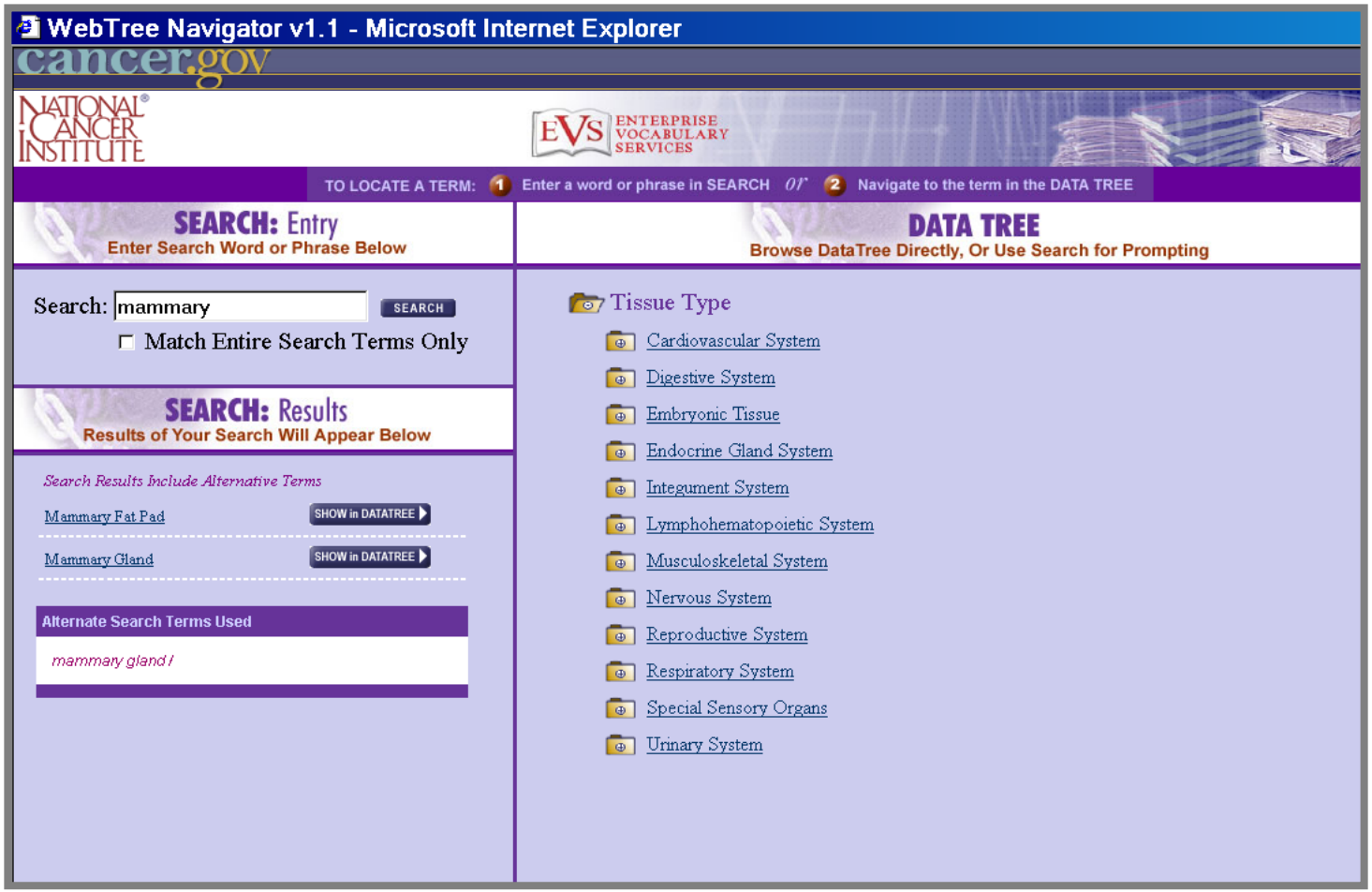
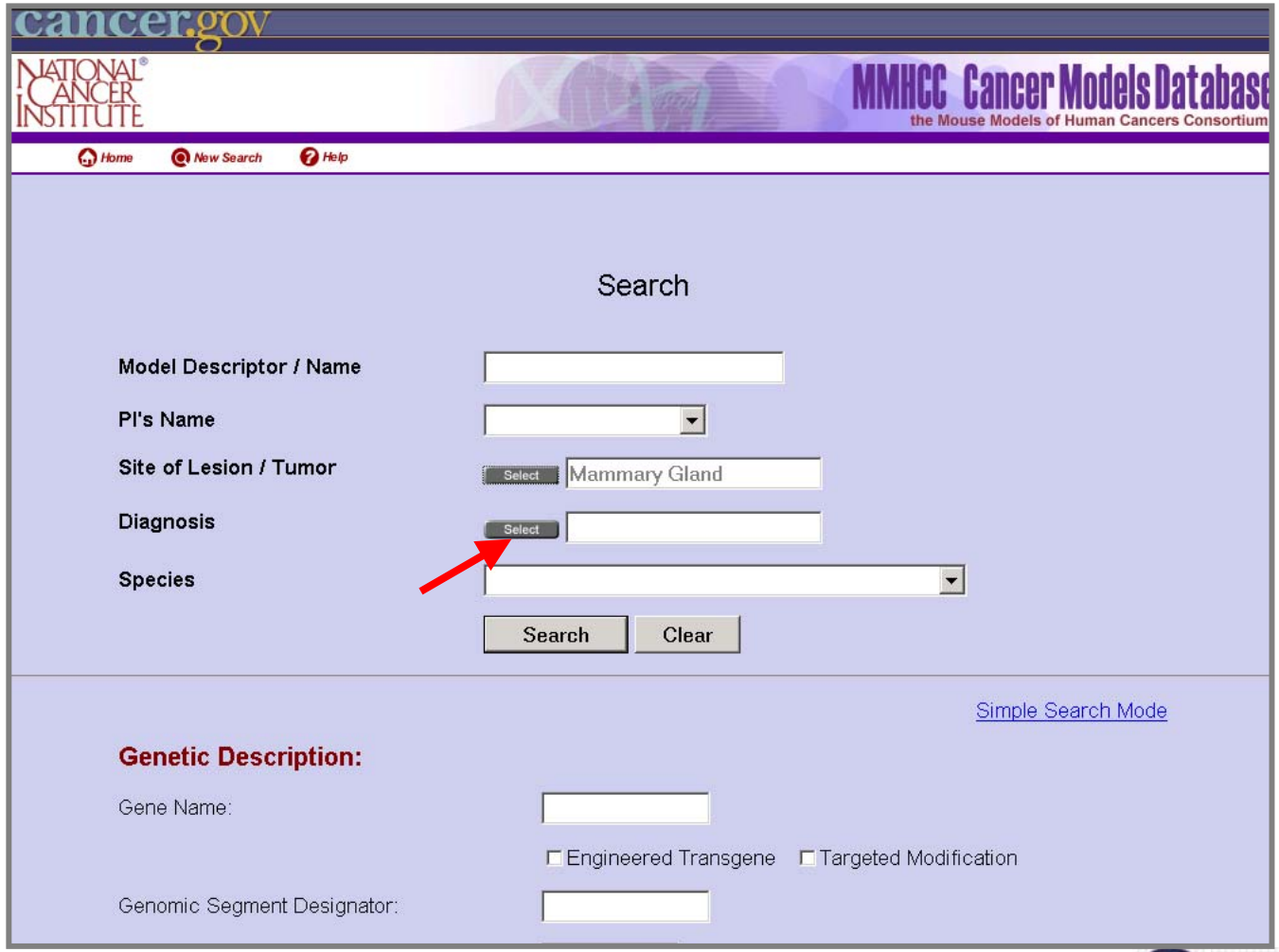
Using EVS Web Tree in Applications – Cancer Models



Using EVS Web Tree in Applications – Cancer Models



Using EVS Web Tree in Applications – Cancer Models



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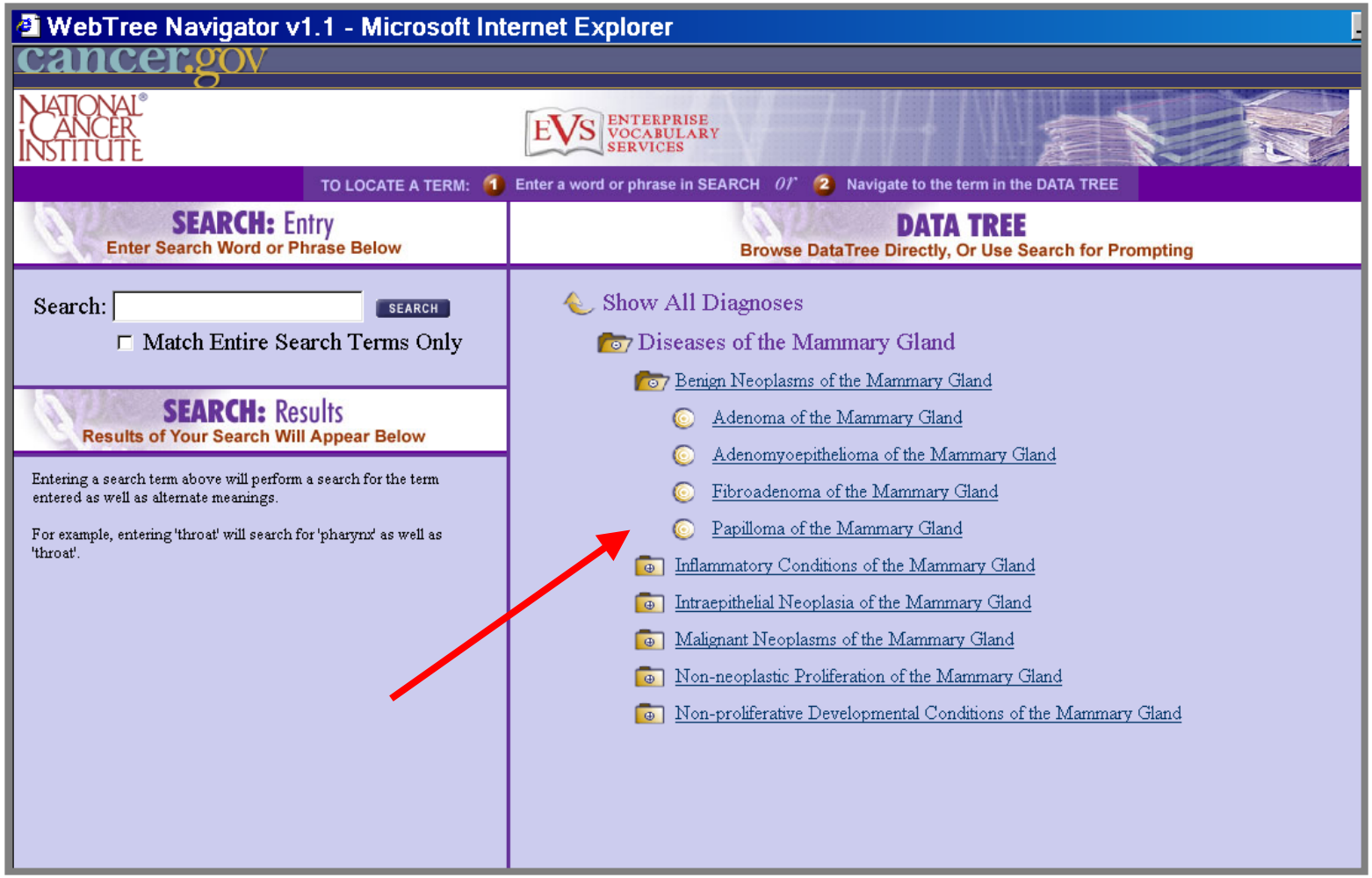

Using EVS Web Tree in Applications – Cancer Models

Q & A

- http://ncicb.nci.nih.gov/core/caBIO